

HIGH SPEED LINES IN THE WORLD (Summary)

Updated 15th January 2020

Status

1. In operation: It is now operating on High Speed.
2. Under construction: It is now constructing of High Speed lines.
3. Planned: It is approved but not start constructing.
4. Long-term planning: It is not approved. Just planned.

Area	Country/Region	Length(km)				Total
		1. In operation	2. Under construction	3. Planned	4. Long-term planning	
ASIA	BAHRAIN and QATAR	-	-	-	180	180
ASIA	CHINA	35,048	5,250	1,071	257	41,626
ASIA	INDIA	-	508	-	4,126	4,634
ASIA	INDONESIA	-	-	712	-	712
ASIA	IRAN	-	1,336	117	1,651	3,104
ASIA	ISRAEL	-	-	85	-	85
ASIA	JAPAN	3,041	402	194	-	3,637
ASIA	KAZAKHSTAN	-	-	-	1,011	1,011
ASIA	MALAYSIA	-	-	-	335	335
ASIA	SAUDI ARABIA	449	-	-	-	449
ASIA	SINGAPORE	-	-	-	15	15
ASIA	SOUTH KOREA	893	-	49	-	942
ASIA	TAIWAN-CHINA	354	-	-	-	354
ASIA	THAILAND	-	253	431	1,958	2,642
ASIA	TURKEY	594	1,652	789	4,384	7,419
ASIA	VIETNAM	-	-	-	1,600	1,600
EUROPE	AUSTRIA	254	281	71	-	606
EUROPE	BELGIUM	209	-	-	-	209
EUROPE	CZECH REPUBLIC	-	-	-	810	810
EUROPE	DENMARK	60	-	-	-	60
EUROPE	ESTONIA	-	-	213	-	213
EUROPE	FINLAND	1,120	-	-	-	1,120
EUROPE	FRANCE	2,734	-	-	1,725	4,459
EUROPE	GERMANY	1,571	147	81	210	2,009
EUROPE	ITALY	921	327	-	-	1,248
EUROPE	LATVIA	-	-	265	-	265
EUROPE	LITHUANIA	-	-	392	-	392
EUROPE	NORWAY	-	-	-	333	333
EUROPE	POLAND	224	-	805	1,062	2,091
EUROPE	PORTUGAL	-	-	-	596	596
EUROPE	RUSSIA	-	-	1,080	2,208	3,288
EUROPE	SPAIN	2,827	795	1,061	-	4,683
EUROPE	SWEDEN	-	11	150	589	750
EUROPE	SWITZERLAND	144	15	-	-	159
EUROPE	THE NETHERLANDS	90	-	-	-	90
EUROPE	UNITED KINGDOM	113	230	320	-	663
OTHER	AUSTRALIA	-	-	-	1,749	1,749
OTHER	BRAZIL	-	-	-	511	511
OTHER	CANADA	-	-	-	290	290
OTHER	EGYPT	-	-	910	300	1,210
OTHER	MEXICO	-	-	-	210	210
OTHER	MOROCCO	200	-	139	975	1,314
OTHER	SOUTH AFRICA	-	-	-	2,390	2,390
OTHER	USA	735	763	1,389	449	3,336

ASIA(17)	40,378	9,401	3,448	15,517	68,744
EUROPE(20)	10,267	1,806	4,438	7,533	24,044
OTHER(8)	935	763	2,438	6,874	11,010

TOTAL(45)	51,581	11,970	10,324	29,924	103,798
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ASIA	BAHRAIN and QATAR	4. Long-term planning	Doha	-	Manama	350		180
ASIA	CHINA	1. In operation	Qinhuangdao	-	Shenyang North	250	2003.12.31	404.8
ASIA	CHINA	1. In operation	Nanjing South	-	Hefei	250	2008.04.18	148
ASIA	CHINA	1. In operation	Beijing South	-	Tianjing	350	2008.08.01	118
ASIA	CHINA	1. In operation	Qingdao	-	Jinan	200	2009.01.10	393
ASIA	CHINA	1. In operation	Hefei East	-	Hankou	250	2009.04.01	380.4
ASIA	CHINA	1. In operation	Shijiazhuang North	-	Taiyuan	250	2009.04.18	226.7
ASIA	CHINA	1. In operation	Suining	-	Chengdu East	200	2009.07.01	151.1
ASIA	CHINA	1. In operation	Ningbo	-	Cangnan	250	2009.09.28	350.6
ASIA	CHINA	1. In operation	Wuhan	-	Guangzhou South	350	2009.12.26	1079.4
ASIA	CHINA	1. In operation	Zhengzhou East	-	Xi'an North	350	2010.02.06	553.2
ASIA	CHINA	1. In operation	Cangnan	-	Fuzhou	250	2010.04.26	211.4
ASIA	CHINA	1. In operation	Fuzhou	-	Xiamen North	250	2010.04.26	234
ASIA	CHINA	1. In operation	Chengdu	-	Qingchengshan	200	2010.05.10	65.4
ASIA	CHINA	1. In operation	Shanghai	-	Nanjing	350	2010.07.01	323
ASIA	CHINA	1. In operation	Jiujiang	-	Nanchang West	250	2010.08.28	138.4
ASIA	CHINA	1. In operation	Shanghai Hongqiao	-	Hangzhou South	350	2010.10.26	173.9
ASIA	CHINA	1. In operation	Haikou	-	Sanya (East Ring)	250	2010.12.30	308.1
ASIA	CHINA	1. In operation	Guangzhou South	-	Zhuhai	200	2011.01.07	142.9
ASIA	CHINA	1. In operation	Changchun	-	Jilin	250	2011.01.11	110.9
ASIA	CHINA	1. In operation	Beijing South	-	Shanghai Hongqiao	350	2011.06.03	1318.4
ASIA	CHINA	1. In operation	Guangzhou South	-	Futian	250	2011.12.26	111.1
ASIA	CHINA	1. In operation	Longyan	-	Zhangzhou	200	2012.06.29	113.5
ASIA	CHINA	1. In operation	Hankou	-	Yichang East	200	2012.07.01	292.1
ASIA	CHINA	1. In operation	Zhengzhou East	-	Wuhan	350	2012.09.28	525.6
ASIA	CHINA	1. In operation	Bengbu South	-	Hefei	350	2012.10.16	130.6
ASIA	CHINA	1. In operation	Dalian North	-	Harbin West	350	2012.12.01	921.2
ASIA	CHINA	1. In operation	Taigemu	-	Baotou	200	2012.12.15	145.7
ASIA	CHINA	1. In operation	Beijing West	-	Zhengzhou East	350	2012.12.26	676.2
ASIA	CHINA	1. In operation	Taishansuo(block station)	-	Liuzhou	200	2012.12.28	497.6
ASIA	CHINA	1. In operation	Nanjing South	-	Hangzhou East	350	2013.07.01	253.9
ASIA	CHINA	1. In operation	Hangzhou South	-	Ningbo	350	2013.07.01	156.8
ASIA	CHINA	1. In operation	Panjin North	-	Yingkou East	350	2013.09.12	90.2
ASIA	CHINA	1. In operation	Nanchang West	-	Fuzhou	200	2013.09.26	547
ASIA	CHINA	1. In operation	Yongtai	-	Putian	200	2013.09.26	59
ASIA	CHINA	1. In operation	Tianjin	-	Qinhuangdao	350	2013.12.01	287.5
ASIA	CHINA	1. In operation	Xi'an North	-	Baoji South	350	2013.12.28	183.8
ASIA	CHINA	1. In operation	Xiamen North	-	Shenzhen North	250	2013.12.28	512.9
ASIA	CHINA	1. In operation	Nanhu East	-	Xianning South	250	2013.12.28	75.9
ASIA	CHINA	1. In operation	Liuzhou	-	Nanning	250	2013.12.28	222.9
ASIA	CHINA	1. In operation	Qinzhou North	-	Fangchenggang	250	2013.12.28	62.4
ASIA	CHINA	1. In operation	Nanning East	-	Beihai	250	2013.12.28	197.5
ASIA	CHINA	1. In operation	Pixian West	-	Pengzhou	200	2013.12.28	21.1
ASIA	CHINA	1. In operation	Chongqing North	-	Liangwu	200	2013.12.28	262.6
ASIA	CHINA	1. In operation	Nanning	-	Guangzhou South	250	2014.04.16	573.9
ASIA	CHINA	1. In operation	Wuhan	-	Dayebei	250	2014.06.18	90.8
ASIA	CHINA	1. In operation	Gedian South	-	Huanggangdong	250	2014.06.18	35.9
ASIA	CHINA	1. In operation	Taiyuan South	-	Xi'an North	250	2014.07.01	570.5
ASIA	CHINA	1. In operation	Hangzhou South	-	Changsha South	350	2014.12.10	911.3
ASIA	CHINA	1. In operation	Changsha South	-	Xinhuang West	350	2014.12.16	419.7
ASIA	CHINA	1. In operation	Jiangyou	-	Chengdu East	250	2014.12.20	152.7
ASIA	CHINA	1. In operation	Chengdu East	-	Leshan	250	2014.12.20	135.2
ASIA	CHINA	1. In operation	Leshan	-	Emeishan	250	2014.12.20	27.2
ASIA	CHINA	1. In operation	Lanzhou West	-	Ürümqi South	250	2014.12.26	1785.2
ASIA	CHINA	1. In operation	Longlibei	-	Guangzhou South	250	2014.12.26	859.5
ASIA	CHINA	1. In operation	Qingdao	-	Rongcheng	250	2014.12.28	301.1
ASIA	CHINA	1. In operation	Zhengzhou East	-	Songchenglu	200	2014.12.28	49.7
ASIA	CHINA	1. In operation	Ximotang	-	Yantai	250	2015.02.19	19.4
ASIA	CHINA	1. In operation	Nanyangzhai	-	Jiaozuo	200	2015.06.16	69.6
ASIA	CHINA	1. In operation	Xinhuang West	-	Guiyang North	350	2015.06.18	285.7
ASIA	CHINA	1. In operation	Hefeibeicheng	-	Fuzhou	350	2015.06.28	850
ASIA	CHINA	1. In operation	Harbin North	-	Qiqihaer South	250	2015.08.17	268.8

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ASIA	CHINA	1. In operation	Shenyang South	-	Dandong	250	2015.09.01	207.8
ASIA	CHINA	1. In operation	Tianjin	-	Yujiapu	350	2015.09.20	43.5
ASIA	CHINA	1. In operation	Jilin	-	Huichun	250	2015.09.20	360.6
ASIA	CHINA	1. In operation	Nanjing East	-	Anqing	250	2015.12.06	256.7
ASIA	CHINA	1. In operation	Nanning	-	Yangxu	250	2015.12.11	256.9
ASIA	CHINA	1. In operation	Dandong	-	Dalian North	200	2015.12.17	293
ASIA	CHINA	1. In operation	Chengdu East	-	Shapingba	250	2015.12.25	299.8
ASIA	CHINA	1. In operation	Tangyasuo(block station)	-	Wenzhou South	200	2015.12.26	190.2
ASIA	CHINA	1. In operation	Ganxian	-	Longyan	200	2015.12.26	248
ASIA	CHINA	1. In operation	Tianjin West	-	Bazhou West	250	2015.12.28	72.6
ASIA	CHINA	1. In operation	Bazhou West	-	Xushui	200	2015.12.28	64.9
ASIA	CHINA	1. In operation	Haikou	-	Sanya (West Ring)	200	2015.12.30	345.2
ASIA	CHINA	1. In operation	Zhengzhou East	-	Xinzheng Airport	200	2015.12.31	27.4
ASIA	CHINA	1. In operation	Foshan West	-	Zhaoqing	200	2016.03.30	81
ASIA	CHINA	1. In operation	Changping East	-	Xiaojinkou	200	2016.03.30	52.6
ASIA	CHINA	1. In operation	Zhengzhou	-	Xuzhou	350	2016.09.10	356.9
ASIA	CHINA	1. In operation	Chongqing North	-	Wanzhou North	250	2016.11.25	245.8
ASIA	CHINA	1. In operation	Hankou	-	Xiaogan East	200	2016.11.25	60.6
ASIA	CHINA	1. In operation	Changsha	-	Zhuzhou Xiangtan	200	2016.12.26	81.7
ASIA	CHINA	1. In operation	Guiyang North	-	Kunming	250	2016.12.28	462.7
ASIA	CHINA	1. In operation	Kunming South	-	Yangxu	250	2016.12.28	452.5
ASIA	CHINA	1. In operation	Daye North	-	Yangxin	250	2017.06.11	37
ASIA	CHINA	1. In operation	Baoji South	-	Lanzhou West	250	2017.07.09	353.4
ASIA	CHINA	1. In operation	Ulanqab	-	Hohht East	250	2017.08.03	128.1
ASIA	CHINA	1. In operation	Yangxin	-	K23 Block Station	250	2017.09.25	81.9
ASIA	CHINA	1. In operation	Xi'an North	-	Jinangyou	250	2017.12.06	505.2
ASIA	CHINA	1. In operation	Huaibei North	-	Xiaoxian North	250	2017.12.26	24.9
ASIA	CHINA	1. In operation	Shijiazhuang	-	Ji'nan West	250	2017.12.28	297.6
ASIA	CHINA	1. In operation	Quzhou	-	Jiujiang	200	2017.12.28	333.6
ASIA	CHINA	1. In operation	Dongguan	-	Changping East	200	2017.12.28	48.2
ASIA	CHINA	1. In operation	Changsha West	-	Changsha	200	2017.12.28	22
ASIA	CHINA	1. In operation	Chongqing West	-	Guiyang	200	2018.01.25	380
ASIA	CHINA	1. In operation	Guangdong North	-	Dali	200	2018.07.01	174.8
ASIA	CHINA	1. In operation	Jiangmen	-	Zhanjiang West	200	2018.07.01	355
ASIA	CHINA	1. In operation	Xinhui	-	Jiangmen	200	2018.07.01	3.2
ASIA	CHINA	1. In operation	Futian	-	Hong Kong(boundary)	200	2018.09.23	4.3
ASIA	CHINA	1. In operation	Yuanping West	-	Taiyuan South	200	2018.09.28	110.5
ASIA	CHINA	1. In operation	Harbin	-	Jiamusi	200	2018.09.30	342.9
ASIA	CHINA	1. In operation	Harbin	-	Harbin North	200	2018.11.23	13.3
ASIA	CHINA	1. In operation	Hangzhou South	-	Huangshan North	250	2018.12.25	271.6
ASIA	CHINA	1. In operation	Harbin	-	Mudanjiang	250	2018.12.25	299.7
ASIA	CHINA	1. In operation	Qingdao North	-	Ganyu North	200	2018.12.26	197.2
ASIA	CHINA	1. In operation	Ganyu North	-	Yancheng North	200	2018.12.26	231
ASIA	CHINA	1. In operation	Huaihua South	-	Hengyang East	200	2018.12.26	319
ASIA	CHINA	1. In operation	Xiantang	-	Yanjialong	200	2018.12.26	4.6
ASIA	CHINA	1. In operation	Changtang(block station)	-	Hengyang North	200	2018.12.26	5
ASIA	CHINA	1. In operation	Changtang(block station)	-	Chashan'ao	200	2018.12.26	4.9
ASIA	CHINA	1. In operation	Qihe	-	Jinan East	200	2018.12.26	20.5
ASIA	CHINA	1. In operation	Dazhengzhuang(block station)	-	Damoliu(block station)	200	2018.12.26	3.3
ASIA	CHINA	1. In operation	Jinan East	-	Wulitang(block station)	200	2018.12.26	20.6
ASIA	CHINA	1. In operation	Jinan East	-	Qingdao	350	2018.12.26	304.5
ASIA	CHINA	1. In operation	Tuancun(block station)	-	Daguhe(block station)	350	2018.12.26	3.7
ASIA	CHINA	1. In operation	Tongren	-	Dazongping	200	2018.12.26	46.1
ASIA	CHINA	1. In operation	Chengdu West	-	Chaoyang Lake	200	2018.12.28	99.5
ASIA	CHINA	1. In operation	Nanping North	-	Longyan	200	2018.12.29	247.3
ASIA	CHINA	1. In operation	Houling(block station)	-	Hongxing(block station)	200	2018.12.29	8
ASIA	CHINA	1. In operation	Huyi(block station)	-	Aibei(block station)	200	2018.12.29	2.3
ASIA	CHINA	1. In operation	Chengde South	-	Pingquan North	350	2018.12.29	67.1
ASIA	CHINA	1. In operation	Pingquan North	-	Shenyang	350	2018.12.29	426.7
ASIA	CHINA	1. In operation	Qiandingxiang West(block station)	-	Houdingxiang East(block station)	200	2018.12.29	2
ASIA	CHINA	1. In operation	Houdingxiang East(block station)	-	Qiandingxiang West(block station)	200	2018.12.29	2
ASIA	CHINA	1. In operation	Tongliao	-	Xinmin North	250	2018.12.29	196.9

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ASIA	CHINA	1. In operation	Yaojiawopu(block station)	- Tianjiawopu(block station)	200	2018.12.29	5.6
ASIA	CHINA	1. In operation	Leshan	- Yibin West	350	2019.06.15	145.3
ASIA	CHINA	1. In operation	Liyiing	- Daxing Airport	200	2019.09.26	32
ASIA	CHINA	1. In operation	Meizhou West	- Chaoshan	200	2019.10.11	123
ASIA	CHINA	1. In operation	Linyi	- Qufu	350	2019.11.26	127
ASIA	CHINA	1. In operation	Rizhao	- Linyi	300	2019.11.26	102
ASIA	CHINA	1. In operation	Wuhan	- Shiyan	300	2019.11.29	399
ASIA	CHINA	1. In operation	Zhengzhou	- Xiangyang	300	2019.12.01	401
ASIA	CHINA	1. In operation	Zhengzhou	- Fuyang	300	2019.12.01	267
ASIA	CHINA	1. In operation	Shangqiu	- Hefei	300	2019.12.01	379
ASIA	CHINA	1. In operation	Yibin	- Guiyang	350	2019.12	370
ASIA	CHINA	1. In operation	Xuzhou	- Yancheng	250	2019.12	316
ASIA	CHINA	1. In operation	Dongji	- Huai'an	250	2019.12	110
ASIA	CHINA	1. In operation	Xintang	- Hongmei	140	2019.12	18
ASIA	CHINA	1. In operation	Dongguan	- Shenzhen	140	2019.12	58
ASIA	CHINA	1. In operation	Nanchang	- Ganzhou	350	2019.12	416
ASIA	CHINA	1. In operation	Wulanqab	- Zhangjiakou	250	2019.12	158
ASIA	CHINA	1. In operation	Datong	- Zhangjiakou	250	2019.12	139
ASIA	CHINA	1. In operation	Beijing	- Zhangjiakou	350/250	2019.12	174
ASIA	CHINA	1. In operation	Xiahuayuan North	- Taizicheng	250	2019.12	52
ASIA	CHINA	1. In operation	Yinchuan	- Wuzhong	250	2019.12	76
ASIA	CHINA	1. In operation	Wuzhong	- Zhongwei	250	2019.12	135
ASIA	CHINA	2. Under construction	Beijing	- Tangshan	350	2019.	149
ASIA	CHINA	2. Under construction	Chengdu	- Guiyang	250	2019.	633
ASIA	CHINA	2. Under construction	Ganzhou	- Shenzhen	350	2020.	432
ASIA	CHINA	2. Under construction	Zhengzhou	- Wanzhou	350	2021.	785
ASIA	CHINA	2. Under construction	Fuzhou	- Xiamen(Zhanzhou)	350		297
ASIA	CHINA	2. Under construction	Datong	- Taiyuan	250		289
ASIA	CHINA	2. Under construction	Huangshi	- Jiujiang	250		112
ASIA	CHINA	2. Under construction	Wuhan	- Huangshi	200		96
ASIA	CHINA	2. Under construction	Mudanjiang	- Jiamusi			375
ASIA	CHINA	2. Under construction	Zhangjiajie	- Huaihua			247
ASIA	CHINA	2. Under construction	Zhongwei	- Lanzhou			218
ASIA	CHINA	2. Under construction	Nanning	- Guiyang			482
ASIA	CHINA	2. Under construction	Lianyungang	- Xuzhou			180
ASIA	CHINA	2. Under construction	Beijing	- Bazhou			78
ASIA	CHINA	2. Under construction	Beijing	- Tianjin Binhai New Area			98
ASIA	CHINA	2. Under construction	Chongli Railway				67
ASIA	CHINA	2. Under construction	Lanfang	- Zhuozhou			65
ASIA	CHINA	2. Under construction	Capital Airport	- Beijing New Airport			160
ASIA	CHINA	2. Under construction	Pinggu section	- Ring Line Langfang			88
ASIA	CHINA	2. Under construction	Gu'an	- Baoding			106
ASIA	CHINA	2. Under construction	Beijing	- Shijiazhuang			293
ASIA	CHINA	3. Planned	Chongqing	- Kunming	350		720
ASIA	CHINA	3. Planned	Guangzhou	- Shantou	300		194
ASIA	CHINA	3. Planned	Chifeng	- Kazuo	250		157
ASIA	CHINA	4. Long-term planning	Zhangjiakou	- Datong	250		137
ASIA	CHINA	4. Long-term planning	Meizhou	- Shantou	250		120
ASIA	INDIA	2. Under construction	Mumbai	- Amehdabad	320	2023.	508
ASIA	INDIA	4. Long-term planning	Hyderabad	- Chennai	300		720
ASIA	INDIA	4. Long-term planning	Chennai	- Thiruvananthapuram	300		1080
ASIA	INDIA	4. Long-term planning	Mumbai	- Pune			185
ASIA	INDIA	4. Long-term planning	Delhi	- Amritsar			480
ASIA	INDIA	4. Long-term planning	Delhi	- Patna	300		991
ASIA	INDIA	4. Long-term planning	Howrah-Kolkata	- Haldia	300		140
ASIA	INDIA	4. Long-term planning	Delhi	- Jodhpur	320		530
ASIA	INDONESIA	3. Planned	Jakarta	- Bandung	250	2024.	142
ASIA	INDONESIA	3. Planned	Bandung	- Surabaya	300	2020.	570
ASIA	IRAN	2. Under construction	Teheran	- Qom	250	2021.	410
ASIA	IRAN	2. Under construction	Teheran	- Mashhad	200	2022.	926
ASIA	IRAN	3. Planned	Qom	- Arak	250	2022.	117
ASIA	IRAN	4. Long-term planning	Teheran	- Hamedan			284

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ASIA	IRAN	4. Long-term planning	Teheran	- Zanjan	- Tabriz			613	
ASIA	IRAN	4. Long-term planning	Isfahan	- Shiraz				470	
ASIA	IRAN	4. Long-term planning	Isfahan	- Yazd				284	
ASIA	ISRAEL	3. Planned	Tel Aviv	- Haifa		250		85	
ASIA	JAPAN	1. In operation	Tokyo	- Shin Osaka (Tokaido)		285	1964.10.01	515.4	
ASIA	JAPAN	1. In operation	Shin Osaka	- Okayama (San-yo)		300	1972.03.15	160.9	
ASIA	JAPAN	1. In operation	Okayama	- Hakata (San-yo)		300	1975.03.10	392.8	
ASIA	JAPAN	1. In operation	Omiya	- Morioka (Tohoku)		320	1982.06.23	465.2	
ASIA	JAPAN	1. In operation	Omiya	- Niigata (Joetsu)		240	1982.11.15	269.5	
ASIA	JAPAN	1. In operation	Ueno	- Omiya (Tohoku)		110	1985.03.14	27.7	
ASIA	JAPAN	1. In operation	Tokyo	- Ueno (Tohoku)		70	1991.06.20	3.6	
ASIA	JAPAN	1. In operation	Fukushima	- Yamagata (Yamagata)	MINI	130	1992.07.01	87	
ASIA	JAPAN	1. In operation	Morioka	- Akita (Akita)	MINI	130	1997.03.22	127.3	
ASIA	JAPAN	1. In operation	Takasaki	- Nagano (Hokuriku)		260	1997.10.01	117.4	
ASIA	JAPAN	1. In operation	Yamagata	- Shinjo (Yamagata)	MINI	130	1999.12.04	62	
ASIA	JAPAN	1. In operation	Morioka	- Hachinohe (Tohoku)		260	2002.12.01	96.6	
ASIA	JAPAN	1. In operation	Shin Yatsushiro	- Kagoshima Chuo (Kyushu)		260	2004.03.13	126.8	
ASIA	JAPAN	1. In operation	Hachinohe	- Shin Aomori (Tohoku)		260	2010.12.04	81.8	
ASIA	JAPAN	1. In operation	Hakata	- Shin Yatsushiro (Kyushu)		260	2011.03.12	130	
ASIA	JAPAN	1. In operation	Nagano	- Kanazawa (Hokuriku)		260	2015.03.14	228	
ASIA	JAPAN	1. In operation	Shin Aomori	- Shin Hakodate (Hokkaido)		260	2016.03.26	148.8	
ASIA	JAPAN	2. Under construction	Takeo Onsen	- Isahaya(Kyushu)			2022.	45	
ASIA	JAPAN	2. Under construction	Isahaya	- Nagasaki(Kyushu)			2022.	21	
ASIA	JAPAN	2. Under construction	Kanazawa	- Tsuruga (Hokuriku)		260	2023.	125	
ASIA	JAPAN	2. Under construction	Shin Hakodate	- Sapporo (Hokkaido)		260	2031.	211	
ASIA	JAPAN	3. Planned	Tsuruga	- Shin Osaka (Hokuriku)			2046.	143	
ASIA	JAPAN	3. Planned	Shin Tosu	- Takeo Onsen (Kyushu)				51	
ASIA	KAZAKHSTAN	4. Long-term planning	Astana	- Almaty		250		1011	
ASIA	MALAYSIA	4. Long-term planning	Kuala Lumpur	- Johor Bahru	- Singapore border	320	2031.	335	
ASIA	SAUDI ARABIA	1. In operation	Medina	- Jeddah	- Mecca	300	2018.09.25	449	
ASIA	SINGAPORE	4. Long-term planning	Malaysia border	- Singapore		320	2031.	15	
ASIA	SOUTH KOREA	1. In operation	Seoul	- Dongdaegu		305	2004.	288	
ASIA	SOUTH KOREA	1. In operation	Dongdaegu	- Busan		305	2010.	130	
ASIA	SOUTH KOREA	1. In operation	Osong	- Gwangju		305	2015.	184	
ASIA	SOUTH KOREA	1. In operation	Suseo	- Pyeongtaek		305	2016.	61	
ASIA	SOUTH KOREA	1. In operation	Seoul	- Gangneung		250	2017.12.20	230	
ASIA	SOUTH KOREA	3. Planned	Gwangju	- Mokpo		300	2025.	49	
ASIA	TAIWAN-CHINA	1. In operation	Taipei	- Kaohsiung		300	2007.	345	
ASIA	TAIWAN-CHINA	1. In operation	Taipei	- Nangang		130	2016.	9	
ASIA	THAILAND	3. Planned	(Southern HSR) Bangkok - Hua Hin			250	2022.	211	
ASIA	THAILAND	4. Long-term planning	(Southern HSR) Hua Hin - Padang Besar			250		765	
ASIA	THAILAND	3. Planned	(Eastern HSR) 3 Airports Link			160/250	2024.	220	
ASIA	THAILAND	4. Long-term planning	(Eastern HSR) U-Tapao - Rayong - Trat					170	
ASIA	THAILAND	2. Under construction	(Northeastern HSR) Bangkok - Nakhon Ratchasima			250	2023.	252.5	
ASIA	THAILAND	4. Long-term planning	(Northeastern HSR) Nakhon Ratchasima - Vientiane			250	2026.	355	
ASIA	THAILAND	4. Long-term planning	(Northern HSR) Bangkok - Phitsanulok			300	2025.	380	
ASIA	THAILAND	4. Long-term planning	(Northern HSR) Phitsanulok - Chiang Mai			300	2029.	288	
ASIA	TURKEY	1. In operation	(Ankara-)Sincan	- Eskisehir		250	2009.	221	
ASIA	TURKEY	1. In operation	Polatli	- Konya		250	2011.	212	
ASIA	TURKEY	1. In operation	Eskisehir	- İzmit	- Pendik	250	2014.	155	
ASIA	TURKEY	1. In operation	EŞİŞEHİR-KONYA (INCLUDED REVERSE TRIANGLE)						6
ASIA	TURKEY	2. Under construction	BURSA BİLECİK				2022.	106	
ASIA	TURKEY	2. Under construction	ANKARA-SİVAS (KAYAŞ - SİVAS)				2019.	393	
ASIA	TURKEY	2. Under construction	ANKARA-İZMİR (POLATLI-UŞAK-İZMİR)				2022.	508	
ASIA	TURKEY	2. Under construction	Konya	- Karaman			2019.	102	
ASIA	TURKEY	2. Under construction	ADANA	- İNCİRLİK	- TOPRAKKALE		2021.	79	
ASIA	TURKEY	2. Under construction	ANKARA	- İSTANBUL DOĞANÇAY RİPAJ 1			2019.	14	
ASIA	TURKEY	2. Under construction	ANKARA	- İSTANBUL DOĞANÇAY RİPAJ 2			2021.	12	
ASIA	TURKEY	2. Under construction	ANKARA	- İSTANBUL T26			2020.	8	
ASIA	TURKEY	2. Under construction	SİVAS	- ZARA			2023.	74	
ASIA	TURKEY	2. Under construction	ALİAĞA	- ÇANDARLI	BERGAMA		2021.	57	
ASIA	TURKEY	2. Under construction	KARAMAN	- ULUKIŞLA			2022.	135	

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ASIA	TURKEY	2. Under construction	ADANA	- MERSİN			2021.	67
ASIA	TURKEY	2. Under construction	TOPRAKKALE	- BAHÇE (TÜNELLİ KESİM)			2022.	13
ASIA	TURKEY	2. Under construction	BAHÇE	- NURDAĞ (FEVZİPAŞA VARYANTI)			2021.	17
ASIA	TURKEY	2. Under construction	NURDAĞ	- BAŞPINAR			2022.	56
ASIA	TURKEY	2. Under construction	AKÇAGÖZE	- BAŞPINAR VARYANTI			2020.	11
ASIA	TURKEY	3. Planned	Yerköy	- Kayseri		250	2023.	142
ASIA	TURKEY	3. Planned	Halkalı	- Kapıkule(Bulgaria Border)			2023.	229
ASIA	TURKEY	3. Planned	TOPRAKKALE	BAHÇE			2023.	45
ASIA	TURKEY	3. Planned	AKSARAY	ULUKIŞLA			2023.	86
ASIA	TURKEY	3. Planned	ULUKIŞLA	YENİCE			2023.	110
ASIA	TURKEY	3. Planned	SELÇUK	ORTAKLAR			2022.	14
ASIA	TURKEY	3. Planned	ORTAKLAR	AYDIN			2023.	33
ASIA	TURKEY	3. Planned	AYDIN	DENİZLİ			2023.	130
ASIA	TURKEY	4. Long-term planning	SİVAS	ÇETİNKAYA	MALATYA		2029.	229
ASIA	TURKEY	4. Long-term planning	GAZİANTEP	ŞANLIURFA			2027.	120
ASIA	TURKEY	4. Long-term planning	GAZİANTEP	KAHRAMANMARAŞ			2029.	46
ASIA	TURKEY	4. Long-term planning	NUSAYBİN	CİZRE-SİLOPI	HABUR		2029.	133
ASIA	TURKEY	4. Long-term planning	GÖLBAŞI	ADİYAMAN	KAHTA		2029.	98
ASIA	TURKEY	4. Long-term planning	ERZİNCAN	ERZURUM			2025.	210
ASIA	TURKEY	4. Long-term planning	ERZURUM	KARS			2025.	205
ASIA	TURKEY	4. Long-term planning	TOKAT	TURHAL			2029.	42
ASIA	TURKEY	4. Long-term planning	MALATYA	ELAZIĞ			2029.	126
ASIA	TURKEY	4. Long-term planning	SIİRT	KURTALAN			2029.	36
ASIA	TURKEY	4. Long-term planning	BERGAMA	SOMA			2029.	42
ASIA	TURKEY	4. Long-term planning	ŞANLIURFA	MARDİN			2029.	185
ASIA	TURKEY	4. Long-term planning	ÖDEMİŞ	KIRAZ			2029.	30
ASIA	TURKEY	4. Long-term planning	SİVAS	ERZİNCAN (ZARA-İMRANLI)			2025.	168
ASIA	TURKEY	4. Long-term planning	GEBZE-S.GÖKÇEN-Y. SULTAN SELİM KÖP.-İSTANBUL HAVAL-HALKALI				2025.	118
ASIA	TURKEY	4. Long-term planning	ESKİŞEHİR-KÜTAHYA-AFYONKARAHİSAR-BURDUR/İSPARTA-ANTALYA				2025.	423
ASIA	TURKEY	4. Long-term planning	KAYSERİ-NEVŞEHİR- AKSARAY-KONYA, SEYDİŞEHİR-ANTALYA				2025.	444
ASIA	TURKEY	4. Long-term planning	SAMSUN	ÇORUM	KIRIKKALE		2025.	292
ASIA	TURKEY	4. Long-term planning	KIRIKKALE	KİRŞEHİR	AKSARAY		2025.	235
ASIA	TURKEY	4. Long-term planning	BANDIRMA	BURSA			2029.	74
ASIA	TURKEY	4. Long-term planning	BURSA	GEMLİK			2029.	24
ASIA	TURKEY	4. Long-term planning	ELAZIĞ	DİYARBAKIR			2029.	150
ASIA	TURKEY	4. Long-term planning	ERZİNCAN	TRABZON			2029.	248
ASIA	TURKEY	4. Long-term planning	KARS-IĞDIR	ARALIK-DİLUCU			2029.	224
ASIA	TURKEY	4. Long-term planning	DİYARBAKIR	MARDİN			2029.	102
ASIA	TURKEY	4. Long-term planning	ERZİNCAN	MUŞ			2029.	210
ASIA	TURKEY	4. Long-term planning	İSTANBUL HAVA LİMANI-ÇATALCA				2025.	21
ASIA	TURKEY	4. Long-term planning	KONYA	SEYDİŞEHİR			2025.	86
ASIA	TURKEY	4. Long-term planning	MÜRŞİTPINAR	ŞANLIURFA			2029.	63
ASIA	VIETNAM	4. Long-term planning	Hanoi	- Hô Chi Minh		350	2050.	1600
EUROPE	AUSTRIA	1. In operation	Linz	- Wels	(after opening new line: V 200->230)	200	in the 1990s	24
EUROPE	AUSTRIA	1. In operation	St. Pölten	- Ybbs		200	2001.	44
EUROPE	AUSTRIA	1. In operation	Amstetten	- St. Valentin		200	2003.	37
EUROPE	AUSTRIA	1. In operation	St. Valentin	- Asten-St.Florian		230	2007.	16
EUROPE	AUSTRIA	1. In operation	Wien Knoten Hadersdorf	- St. Pölten		230	2012.12.09	50
EUROPE	AUSTRIA	1. In operation	Knoten Radfeld	- Knoten Baumkirchen		220	2012.12.09	36
EUROPE	AUSTRIA	1. In operation	Wels	- Lambach West		200	2012.12.09	16
EUROPE	AUSTRIA	1. In operation	Lambach West	- Breitenschützing		230	2012.12.09	4
EUROPE	AUSTRIA	1. In operation	Breitenschützing	- Attnang-Puchheim		200	2012.12.09	10
EUROPE	AUSTRIA	1. In operation	Ybbs	- Amstetten		230	2016.12.11	17
EUROPE	AUSTRIA	2. Under construction	Wien Stadlau	- Staatsgrenze AUT/SK		200	2022.	38
EUROPE	AUSTRIA	2. Under construction	Wien Inzersdorf Ort	- Wr. Neustadt	(Pottendorfer Linie)	200	2023.	47
EUROPE	AUSTRIA	2. Under construction	Graz	- Klagenfurt	(Koralmbahn)	250	2025.	122
EUROPE	AUSTRIA	2. Under construction	Gloggnitz	- Mürrzuschlag	(Semmering-Basistunnel)	230	2026.	28
EUROPE	AUSTRIA	2. Under construction	Volders-Baumkirchen	- Staatsgrenze AUT/IT	(Brenner-Basis-Tunnel)	250	2027.	46
EUROPE	AUSTRIA	3. Planned	Linz	- Wels		230	2026.	24
EUROPE	AUSTRIA	3. Planned	Gänserndorf	- Staatsgrenze AUT/CZ		200	2028.	47
EUROPE	BELGIUM	1. In operation	Brussels	- French Border (L1)		300	1997.12.14	72
EUROPE	BELGIUM	1. In operation	Leuven	- Liège (L2)		300	2002.12.15	65

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EUROPE	BELGIUM	1. In operation	Liège	- German Border (L3)		260	2009.06.14	36
EUROPE	BELGIUM	1. In operation	Antwerp	- Dutch border (L4)		300	2009.12.13	36
EUROPE	CZECH REPUBLIC	4. Long-term planning	Lovosice	- border D (to Dresden)		350	2040 before	40
EUROPE	CZECH REPUBLIC	4. Long-term planning	Praha	- Brno		350	2040 before	205
EUROPE	CZECH REPUBLIC	4. Long-term planning	Prerov	- Ostrava		350	2040 before	80
EUROPE	CZECH REPUBLIC	4. Long-term planning	Praha	- Plzen		350	2050.	75
EUROPE	CZECH REPUBLIC	4. Long-term planning	Plzen	- border D (to Nurnberg)		350	2050.	55
EUROPE	CZECH REPUBLIC	4. Long-term planning	Praha	- border P (to Wroclaw)		350	2050.	150
EUROPE	CZECH REPUBLIC	4. Long-term planning	Ostrava	- border P (to Katowice)		300	2050.	10
EUROPE	CZECH REPUBLIC	4. Long-term planning	Vranovice	- Breclav (border A to Wien, border SK to Bratislava)		350		40
EUROPE	CZECH REPUBLIC	4. Long-term planning	Brno	- Vranovice		350		30
EUROPE	CZECH REPUBLIC	4. Long-term planning	Praha	- Lovosice		350		55
EUROPE	CZECH REPUBLIC	4. Long-term planning	Brno	- Prerov		200		70
EUROPE	DENMARK	1. In operation	Copenhagen	- Ringsted		250	2019.05.31	60
EUROPE	ESTONIA	3. Planned	Tallin	- Border with Latvia		249	2030.	213
EUROPE	FINLAND	1. In operation	Helsinki	- Turku		200	1995.	156
EUROPE	FINLAND	1. In operation	Helsinki	- Oulu		200	2001-2017	673
EUROPE	FINLAND	1. In operation	Jämsänkoski	- Jyväskylä		200	2001.	53
EUROPE	FINLAND	1. In operation	Kinni	- Otava		200	2006.	44
EUROPE	FINLAND	1. In operation	Kerava	- Lahti		220	2006.	63
EUROPE	FINLAND	1. In operation	Lahti	- Luumäki		200	2009.	131
EUROPE	FRANCE	1. In operation	LN1	LGV Paris Sud-Est		300	1981 / 1983	425
EUROPE	FRANCE	1. In operation	LN2	LGV Atlantique		300	1989 / 1990	292
EUROPE	FRANCE	1. In operation	Paris-bifurcation Courtaulin			300	1989.	-
EUROPE	FRANCE	1. In operation	LN4	LGV Rhône-Alpes (rail bypass of Lyon)		300	1992 / 1994	122
EUROPE	FRANCE	1. In operation	LN3	LGV Nord - Europe (included London and Bruxelles link)		300	1994 / 1996	346
EUROPE	FRANCE	1. In operation	LN3 bis	LGV Interconnexion Est IDF		270	1994 / 1996	105
EUROPE	FRANCE	1. In operation	LN5	LGV Méditerranée		300	2001.	259
EUROPE	FRANCE	1. In operation	LN6	LGV Est Europe (first phase)		320	2007.	335
EUROPE	FRANCE	1. In operation	(Figueres -) Frontière included TP Ferro Franchise			300	2010.	28
EUROPE	FRANCE	1. In operation	LN7	LGV Rhin-Rhône Branche Est (first phase)		320	2011.	146
EUROPE	FRANCE	1. In operation	LN6	LGV Est Europe (second phase)		320	2016.	122
EUROPE	FRANCE	1. In operation	LGV Bretagne Pays de la Loire (BPL, Le Mans - Rennes)			320	2017.07.02	214
EUROPE	FRANCE	1. In operation	Connerré-La Milesse			320	2017.	-
EUROPE	FRANCE	1. In operation	LGV Sud Europe Atlantique (SEA, Tours - Bordeaux)			320	2017.07.02	340
EUROPE	FRANCE	4. Long-term planning	modernisation of HSL Paris-Lyon and Lyon bypass (ERTMS deployment)			300	2025.	483
EUROPE	FRANCE	4. Long-term planning	LGV Rhin-Rhône Branche Est (second phase)			320		50
EUROPE	FRANCE	5. Under study	LGV Bordeaux - Toulouse /DAX (GPSO)			320		327
EUROPE	FRANCE	5. Under study	Interconnexion Sud en Île-de-France			320		31
EUROPE	FRANCE	5. Under study	LGV Paris - Orléans - Clermont-Ferrand (POCL)			320		540
EUROPE	FRANCE	5. Under study	Ligne nouvelle Montpellier - Perpignan (LNMP)			320		155
EUROPE	FRANCE	5. Under study	Ligne Nouvelle Paris - Normandie (LNP), zone Paris - Mantes (phase 1)			250		59
EUROPE	FRANCE	5. Under study	Ligne nouvelle Rennes-Redon			300		80
EUROPE	GERMANY	1. In operation	Hannover	- Würzburg		280	1991.	327
EUROPE	GERMANY	1. In operation	Mannheim	- Stuttgart		280	1991.	99
EUROPE	GERMANY	1. In operation	(Hannover)	- Oebisfelde	Berlin	250	1998.	150
EUROPE	GERMANY	1. In operation	(Köln) -Siegburg	- Frankfurt		300	2002.	144
EUROPE	GERMANY	1. In operation	Köln	- Düren		250	2003.	39
EUROPE	GERMANY	1. In operation	Hamburg	- Berlin		230	2004.	286
EUROPE	GERMANY	1. In operation	(Karlsruhe -) Rastatt Süd	- Offenburg (- Basel)		250	2004.	44
EUROPE	GERMANY	1. In operation	Nürnberg	- Ingolstadt		300	2006.	89
EUROPE	GERMANY	1. In operation	München	- Augsburg		230	2011.	62
EUROPE	GERMANY	1. In operation	(Karlsruhe) - Katzenberg Tunnel	- (-Basel)		250	2012.	18
EUROPE	GERMANY	1. In operation	Erfurt	- Leipzig/Halle		300	2015.12.09	123
EUROPE	GERMANY	1. In operation	Ebensfeld	- Erfurt		300	2017.12.10	107
EUROPE	GERMANY	1. In operation	Nürnberg	- Ebensfeld		230	2017.12.10	83
EUROPE	GERMANY	2. Under construction	Wendlingen	- Ulm		250	2022.	60
EUROPE	GERMANY	2. Under construction	Stuttgart	- Wendlingen		250	2024.	25
EUROPE	GERMANY	2. Under construction	Karlsruhe	- Raststatt -(Basel)		250	2024.	17
EUROPE	GERMANY	2. Under construction	(Karlsruhe -) Buggingen	- Katzenbergtunnel (- Basel)		250	2025.	32
EUROPE	GERMANY	2. Under construction	(Karlsruhe -) Katzenbergtunnel	- Basel		250	2025.	13
EUROPE	GERMANY	3. Planned	(Karlsruhe) - Riegel	- Buggingen - (Basel)		200	2031.	41

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EUROPE	GERMANY	3. Planned	(Karlsruhe -) Offenburg	- Riegel (- Basel)		250	2035.	40
EUROPE	GERMANY	4. Long-term planning	Frankfurt	- Mannheim		300		84
EUROPE	GERMANY	4. Long-term planning	(Frankfurt -) Hanau	- Fulda/Würzburg		230/300		126
EUROPE	ITALY	1. In operation	Rome	- Florence (First section)		250	1977.	122
EUROPE	ITALY	1. In operation	Rome	- Florence (Second section)		250	1985.	52
EUROPE	ITALY	1. In operation	Rome	- Florence (Third section)		250	1986.	20
EUROPE	ITALY	1. In operation	Rome	- Florence (Forth section)		250	1992.	44
EUROPE	ITALY	1. In operation	Turin	- Novara		300	2006.	86
EUROPE	ITALY	1. In operation	Padova	- Venezia		220	2007.	25
EUROPE	ITALY	1. In operation	Milan	- Bologna		300	2008.	182
EUROPE	ITALY	1. In operation	Naples	- Salerno		250	2008.	29
EUROPE	ITALY	1. In operation	Rome	- Naples		300	2009.	205
EUROPE	ITALY	1. In operation	Novara	- Milan		300	2009.	38
EUROPE	ITALY	1. In operation	Florence	- Bologna		300	2009.	78
EUROPE	ITALY	1. In operation	Milan (Treviglio)	- Brescia		300	2016.	40
EUROPE	ITALY	2. Under construction	Genova	- Milan (Tortona)		250	2022.	53
EUROPE	ITALY	2. Under construction	Brescia	- Verona		300	2020 after	45
EUROPE	ITALY	2. Under construction	Napoli	- Bari		200		150
EUROPE	ITALY	2. Under construction	Verona	- Padova		300	2020 after	79
EUROPE	LATVIA	3. Planned	Border with Estonia	- Border with Lithuania		249	2030.	265
EUROPE	LITHUANIA	3. Planned	Border with Latvia	- Border with Poland		249	2030.	252
EUROPE	LITHUANIA	3. Planned	Kaunas	- Vilnius		249	2030.	140
EUROPE	NORWAY	4. Long-term planning	Sandbukta	- Fredrikstad		250		34
EUROPE	NORWAY	4. Long-term planning	Gardermoen	- Hamar		250		74
EUROPE	NORWAY	4. Long-term planning	Drammen	- Tønsberg		250		60
EUROPE	NORWAY	4. Long-term planning	Fredrikstad	- Halden		250		39
EUROPE	NORWAY	4. Long-term planning	Hamar	- Lillehammer		250		54
EUROPE	NORWAY	4. Long-term planning	Tønsberg	- Skien		250		72
EUROPE	POLAND	1. In operation	Grodzisk Maz	- Opoczno	Zawiercie	200	2015.	224
EUROPE	POLAND	3. Planned	Warszawa - Lodz	- Kalisz/Ostrow	Poznan/Wroclaw	350	2030.	448
EUROPE	POLAND	3. Planned	Warszawa	- Białystok	- Elk	200	2030.	277
EUROPE	POLAND	3. Planned	Elk	- Border Lithuania		250	2030.	80
EUROPE	POLAND	4. Long-term planning	Wroclaw	- BorderCzech Republic		350	2030 after	148
EUROPE	POLAND	4. Long-term planning	Poznan	- border Germany		350	2030 after	171
EUROPE	POLAND	4. Long-term planning	Katowice	- Border Czech Republic		300	2030 after	61
EUROPE	POLAND	4. Long-term planning	Naklo	- Katowice/Krakow		300	2030 after	138
EUROPE	POLAND	4. Long-term planning	Warszawa	- Gdansk		350	2030 after	357
EUROPE	POLAND	4. Long-term planning	Warszawa	- Brest(Bielarus border)		350		187
EUROPE	PORTUGAL	4. Long-term planning	Lisboa	- Caia (- Madrid)		350		206
EUROPE	PORTUGAL	4. Long-term planning	Lisboa	- Porto		300		290
EUROPE	PORTUGAL	4. Long-term planning	Porto	- Valença (- Vigo) first phase		250		55
EUROPE	PORTUGAL	4. Long-term planning	Porto	- Valença (- Vigo) second phase		250		45
EUROPE	RUSSIA	3. Planned	St. Petersburg	- Moscow	- Nizhnij Novgorod	350	2024.	1080
EUROPE	RUSSIA	4. Long-term planning	Moscow	- St. Petersburg		400	2021-2026	659
EUROPE	RUSSIA	4. Long-term planning	Moscow	- Adler(Sochi)		400	2021-2028	1549
EUROPE	SPAIN	1. In operation	Madrid	- Seville		270	1992.	471
EUROPE	SPAIN	1. In operation	Madrid	- Lleida		300	2003.	448
EUROPE	SPAIN	1. In operation	Zaragoza	- Huesca		200	2003.	79
EUROPE	SPAIN	1. In operation	(Madrid -) La Sagra	- Toledo		220	2005.	21
EUROPE	SPAIN	1. In operation	Córdoba	- Antequera		300	2006.	111
EUROPE	SPAIN	1. In operation	Lleida	- Camp de Tarragona		300	2006.	82
EUROPE	SPAIN	1. In operation	Madrid	- Segovia	- Valladolid	300	2007.	178
EUROPE	SPAIN	1. In operation	Antequera	- Málaga		300	2007.	58
EUROPE	SPAIN	1. In operation	Camp de Tarragona	- Barcelona		300	2008.	100
EUROPE	SPAIN	1. In operation	By pass Madrid : Line Madrid - Barcelona	- Gavilanes		200	2009.	5
EUROPE	SPAIN	1. In operation	Madrid	- Valencia / Albacete		300	2010.	398
EUROPE	SPAIN	1. In operation	Figueres	- Frontera (- Perpignan)		300	2010.	20
EUROPE	SPAIN	1. In operation	Ourense	- Santiago		300	2011.	85
EUROPE	SPAIN	1. In operation	By pass de Yeles : Line Madrid / Valencia			200	2012.	6
EUROPE	SPAIN	1. In operation	Barcelona	- Figueres		290	2013.	131
EUROPE	SPAIN	1. In operation	Albacete	- Alicante		300	2013.	165
EUROPE	SPAIN	1. In operation	Santiago	- Vigo		200	2015.	95

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EUROPE	SPAIN	1. In operation	Valladolid	–	León	200	2015.	166
EUROPE	SPAIN	1. In operation	Olmedo	–	Zamora	200	2015.	99
EUROPE	SPAIN	1. In operation	Bobadilla	–	Granada	250	2019.06.26	109
EUROPE	SPAIN	2. Under construction	Monforte del Cid	–	Murcia	300	2020.	62
EUROPE	SPAIN	2. Under construction	Venta de Baños	–	Burgos	300	2020.	91
EUROPE	SPAIN	2. Under construction	Plasencia	–	Cáceres / Badajoz	300	2020.	193
EUROPE	SPAIN	2. Under construction	Zamora	–	Orense	300	2020.	224
EUROPE	SPAIN	2. Under construction	León	–	Asturias	250	2020.	50
EUROPE	SPAIN	2. Under construction	Vitoria	–	Bilbao-San Sebastián	250	2022.	175
EUROPE	SPAIN	3. Planned	Burgos	–	Vitoria	300		110
EUROPE	SPAIN	3. Planned	Madrid	–	Navalmoral / Plasencia	300		276
EUROPE	SPAIN	3. Planned	Almería	–	Murcia	300		190
EUROPE	SPAIN	3. Planned	Palencia	–	Santander	300		201
EUROPE	SPAIN	3. Planned	Castejón	–	Pamplona	300		75
EUROPE	SPAIN	3. Planned	Zaragoza	–	Castejón	250		149
EUROPE	SPAIN	3. Planned	Orense	–	Vigo (vía Cerdedo)	250		60
EUROPE	SWEDEN	2. Under construction	Arlöv	–	Lund	200	2024.	11
EUROPE	SWEDEN	3. Planned	Järna	–	Linköping	320	2033.	150
EUROPE	SWEDEN	4. Long-term planning	Lund	–	Hässleholm	320	2032-2035	70
EUROPE	SWEDEN	4. Long-term planning	Göteborg	–	Borås	320		60
EUROPE	SWEDEN	4. Long-term planning	Borås	–	Linköping			190
EUROPE	SWEDEN	4. Long-term planning	Stockholm	–	Jarna			50
EUROPE	SWEDEN	4. Long-term planning	Jonkoping	–	Hässleholm			219
EUROPE	SWITZERLAND	1. In operation	Mattstetten	–	Rothrist	200	2004.12.12	52
EUROPE	SWITZERLAND	1. In operation	Frutigen	–	Visp (Lötschberg base tunnel)	250	2007.	35
EUROPE	SWITZERLAND	1. In operation	Erstfeld	–	Biasca (Gotthard base tunnel)	200	2016.	57
EUROPE	SWITZERLAND	2. Under construction	Giubiasco	–	Lugano (Ceneri base tunnel)	250	2019.	15
EUROPE	THE NETHERLANDS	1. In operation	Schiphol	–	Rotterdam West	300	2006.	44.3
EUROPE	THE NETHERLANDS	1. In operation	Rotterdam Lombardijen	–	Belgian Border (turnout at Breda)	300	2006.	45.4
EUROPE	UNITED KINGDOM	1. In operation	Fawkham Junction	–	Tunnel	300	2003.	74
EUROPE	UNITED KINGDOM	1. In operation	London	–	Southfleet Junction	230	2007.	39.4
EUROPE	UNITED KINGDOM	2. Under construction	London	–	Birmingham (HS2, Phase 1)	360	2026.	230
EUROPE	UNITED KINGDOM	3. Planned	Birmingham	–	Crewe (HS2, Phase 2a)	360	2027.	60
EUROPE	UNITED KINGDOM	3. Planned	Birmingham	–	Manchester/Leeds (HS2, Phase 2b)	360	2033.	260
OTHER	AUSTRALIA	4. Long-term planning	Sydney	–	Canberra	350	2035.	283
OTHER	AUSTRALIA	4. Long-term planning	Melbourne	–	Gunning(-Sydney)	350	2040.	611
OTHER	AUSTRALIA	4. Long-term planning	Sydney	–	Newcastle	350	2045.	134
OTHER	AUSTRALIA	4. Long-term planning	Brisbane	–	Gold Coast	350	2051.	115
OTHER	AUSTRALIA	4. Long-term planning	Newcastle	–	Bronelton(-Gold Coast)	350	2058.	606
OTHER	BRAZIL	4. Long-term planning	Rio de Janeiro	–	Sao Paulo	300		511
OTHER	CANADA	3. Planned	Toronto	–	London	250	2025.	
OTHER	CANADA	3. Planned	London	–	Windsor	250	2031.	
OTHER	CANADA	4. Long-term planning	Calgary	–	Edmonton			290
OTHER	EGYPT	3. Planned	Cairo	–	Alexandria		2024.	210
OTHER	EGYPT	3. Planned	Cairo	–	Luxor		2024.	700
OTHER	EGYPT	4. Long-term planning	Hurghada	–	Luxor			300
OTHER	MEXICO	4. Long-term planning	Mexico DF	–	Querétaro	300		210
OTHER	MOROCCO	1. In operation	Tanger	–	Kenitra	320	2018.11.15	200
OTHER	MOROCCO	4. Long-term planning	Marrakech	–	Agadir	320		250
OTHER	MOROCCO	3. Planned	Kenitra	–	Rabat	320		49
OTHER	MOROCCO	4. Long-term planning	Rabat	–	Fes	320		204
OTHER	MOROCCO	3. Planned	Rabat	–	Casablanca	320		90
OTHER	MOROCCO	4. Long-term planning	Casablanca	–	Marrakech	320		198
OTHER	MOROCCO	4. Long-term planning	Fes	–	oujda	320		323
OTHER	SOUTH AFRICA	4. Long-term planning	Johannesburg	–	Durban	300		610
OTHER	SOUTH AFRICA	4. Long-term planning	Johannesburg	–	Cape Town	300		1300
OTHER	SOUTH AFRICA	4. Long-term planning	Johannesburg	–	Messina	300		480
OTHER	USA	1. In operation	Boston	–	Washington (Northeast Corridor, NEC)	240	2000.	735
OTHER	USA	2. Under construction	San Francisco	–	Merced	350	2029.	763
OTHER	USA	3. Planned	Bakersfield	–	Anaheim	350	2033.	269
OTHER	USA	3. Planned	Houston	–	Dallas	330	2024.	385
OTHER	USA	3. Planned	NEC Future (Boston – New York – Washington DC)			350	2040.	735

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OTHER	USA	4. Long-term planning	Merced	—	Sacramento		2035 after	180
OTHER	USA	4. Long-term planning	Los Angeles	—	San Diego		2035 after	269